## PATENT COOPERATION TREAT



From the INTERNATIONAL SEARCHING AUTHORITY

To:
JANE MASSEY LICATA

LICATA & TYRRELL P.C.	
MARLTON, NJ 08053 Docket System Status Repart	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
Docket Book	(PCT Rule 44.1)
10/5/64 ISR	Date of Mailing (day/month/year) 0 5 AUG 2004
Applicant's or agent's file reference WSTR-0016B	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US03/39346	International filing date (day/month/year) 10 December 2003 (10.12.2003)
Applicant THE WISTAR INSTITUTE	
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	aims of the international application (see Rule 46):
international search report.	s normally two months from the date of transmittal of the
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No	
For more detailed instructions, see the notes on the a	accompanying sheet.
2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect is transmitted herewith.	ch report will be established and that the declaration under
3. With regard to the protest against payment of (an) additional a	tional fee(s) under Rule 40.2, the applicant is notified that:
applicant's request to forward the texts of both the	protest and the decision thereon to the designated Offices.  pplicant will be notified as soon as a decision is made.
4. Reminders	
Shortly after 18 months from the priority date, the internation applicant wishes to avoid or postpone publication, a notice of v	nal application will be published by the International Bureau. If the withdrawal of the international application, or of the priority claim, 5.1 and 90 bis.3, respectively, before the completion of the technical
examination must be filed if the applicant wishes to postpone t	of some designated Offices, a demand for international preliminary the entry into the national phase until 30 months from the priority t, within 20 months from the priority date, perform the prescribed ices.
In respect of other designated Offices, the time limit of 30 month	hs (or later) will apply even if no demand is filed within 19 months.
See the Annex to Form PCT/IB/301 and, for details about the Guide, Volume II, National Chapters and the WIPO Internet site	e applicable time limits, Office by Office, see the PCT Applicant's
Name and mailing address of the ISA/US	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Deborah Crouch, Pri. Tulkerce for
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 703 309 0106

Facsimile No. (703) 305-3230
Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)



## **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or a WSTR-0016B	gent's file reference	FOR FURTHER ACTION		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.
International app PCT/US03/3934		International filing date (day/monu 10 December 2003 (10.12.2003)	th/year)	(Earliest) Priority Date (day/month/year) 10 December 2002 (10.12.2002)
Applicant THE WISTAR	INSTITUTE		· · · · · · · · · · · · · · · · · · ·	
according to A	ticle 18. A copy is being	g transmitted to the International E	arching Au Bureau.	uthority and is transmitted to the applicant
This internation	al search report consists  It is also accompanied	of a total of sheets.  I by a copy of each prior art documents and the sheets are sheets.	ment cited	in this report.
	regard to the language, t	he international search was carried unless otherwise indicated under the		basis of the international application in the
A b. With	uthority (Rule 23.1(b)).  regard to any nucleotide			international application furnished to this international application, the international
«	ontained in the internationa	l application in written form.		
		ational application in computer read	iable form.	
L fu	rnished subsequently to thi	is Authority in written form.		
L fu	rnished subsequently to thi	is Authority in computer readable for	orm.	
	e statement that the subseq ternational application as f	•	isting does	not go beyond the disclosure in the
	e statement that the informer en furnished.	ation recorded in computer readable	e form is ic	dentical to the written sequence listing has
2 C	ertain claims were found	unsearchable (See Box I).		:
	nity of invention is lackin	g (See Box II).		
	rd to the title, e text is approved as subm	itted by the emplicant		
		by this Authority to read as follows	s:	
		,		
5. With regar	d to the abstract,			
<u> </u>	e text is approved as subm	itted by the applicant.		
				as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure	of the drawings to be pub	lished with the abstract is Figure N	o	
	suggested by the applicant			None of the figures
be	cause the applicant failed t	o suggest a figure.		
be	cause this figure better cha	aracterizes the invention.		
Form PCT/ISA/21	0 (first sheet) (July 1998)		<del></del>	



Instructional application No.

PCT/US03/39346

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A. CLAS IPC(7) US CL	SSIFICATION OF SUBJECT MATTER  : C12N 5/00, 5/02, 5/08; C12Q 1/02; A01N 63/0	00; A61K 48/00	
	: 435/325, 366, 377, 29; 424/93.2, 93.21 International Patent Classification (IPC) or to both na	tional classification and IPC	
	DS SEARCHED	nional classification and if C	
	cumentation searched (classification system followed t 35/325, 366, 377, 29; 424/93.2, 93.21	oy classification symbols)	
Documentation	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched
	ta base consulted during the international search (name	e of data base and, where practicable, sean	ch terms used)
	UMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where a		Relevant to claim No.
A	YOON, Y-M. et al. Protein Kinase A Regulates Che the Post-Precartilage Condensation Stage Via Protein and Mineral Research. 2000, Vol. 15, No. 11, pp. 2	n Kinase C-Alpha Signaling. J. Bone	1-9
A	WESTON, A. D. et al. Regulation of Skeletal Proge Retinoid Signaling Pathways. J. Cell Biology. 21 Fe 690.		1-9
A	ARMAN, E. et al. Fgfr-2 is Required for Limb Bud Morphogenesis. Proceedings Natl. Acad. Sci. 12 Oc 11899.		1-9
A	GARRY, D. J. et al. Persistent Expression of MNF		1-9
A	Postnatal Muscles. Devel. Biol. 1997, Vol. 188, pp. RAHMAN, M. M. et al. Expression and Localizati during Limb Bud Formation in the Rat Fetus. Anato 39.	on of Annexin V and Annexin VI	1-9
Further	documents are listed in the continuation of Box C.	See patent family annex.	
• S	pecial categories of cited documents:	"T" later document published after the inter- date and not in conflict with the applica	
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inve	ution
	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone	
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the c considered to involve an inventive step combined with one or more other such	when the document is
	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	art
priority d	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent f	•
	ctual completion of the international search	Date of mailing of the international searce	•
Name and ma	(28.06.2004) niling address of the ISA/US	Authorized office	A CRINE
Mai Con	ining address of the ISA/US I Stop PCT, Attn: ISA/US Inmissioner for Patents . Box 1450	Desoral Crouch, Ph. D.	UG 2004 EURCL You
Alex	. Box 1430 candria, Virginia 22313-1450	Telephone No. 703-308-0196	·

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PCT/US03/39346

tegory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	ROSEN, V. et al. Responsiveness of Clonal Limb Bud Cell Lines to Bone Morphogenetic Protein 2 Reveals a Sequental Relationship Between Cartilage and Bone Cell Phenotypes. J. Bone Mineral Res. 1994, Vol. 9 No. 11.	1-11
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